

MICROPUMP FOR INTEGRATED DEVICE FOR BIOLOGICAL ANALYSES

ABSTRACT OF THE DISCLOSURE

[59] A micropump includes a body (10) of semiconductor material, accommodating fluid-tight chambers (32), having an internal preset pressure, lower than atmospheric pressure. The fluid-tight chambers (32), sealed by a diaphragm (35) that can be electrically opened, are selectively openable using a first electrode (37) and second electrodes (38), accommodating between them portions of the diaphragm (35).